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By Secretary: Jennifer Newell Direct Phone: 408-414-1237
Re: 50277-2406 — 10/786,941 Date: October 13, 2009 Time Sent: 1:45 pm
Number of pages including this page: 7

TO:

Name	Company	Facsimile No.	Contact No.
Examiner Michael Pham	USPTO	571-273-3924	

ENCLOSURES: Please find attached the Agenda for the telephone interview for Application No. 10/786,941. If you have any questions or concerns, please do not hesitate to contact me.

Regards,

Jennifer Newell
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No. 3803

Daniel ManHung Wong

Examiner: Michael Pham

Serial No.: 10/786,941

Group Art Unit No.: 2167

Filed on: February 24, 2004

For: SENDING CONTROL INFORMATION WITH DATABASE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Unofficial Communication—Not for Entry
By Facsimile—(571) 273-3924

AGENDA FOR TELEPHONE INTERVIEW

Sir:

In response to the Final Office Action mailed August 17, 2009, the shortened statutory period for reply which runs until November 17, 2009, representatives of the Applicants (herein "Representatives") propose to hold a telephone interview according to the following agenda.

1. **Telephone interview date and time.** Thursday, August 15, 2009, 1:00 PM Eastern. For any changes, please call Eric L. Sutton at (408) 414-1210.
2. **Participants.** Michael Pham, Examiner for the USPTO. Marcel K. Bingham (Reg. No. 42,327), and Eric L. Sutton (Reg. No. 61,173) for the Applicants.
3. **Topic.** Applicant's Representatives would like to discuss the differences between Claim 1 and Fujiwara, with reference to the Figures and Figure summaries provided herein.

Claim 1

Claim 1 features a request that specifies a database statement and “a tag that does not conform to a database language of said database statement.” The specification provides an example execution interface for executing database statements with the tag field: DBMS_SQL.PARSE(cursr, **‘SELECT * FROM emp’**, v7, **‘resource=g1 id=scott’**).

Fujiwara

Fujiwara involves masking cells that a user is not privileged to access. Fujiwara modifies the original SQL query by inserting a call to the masking function, resulting in cited SQL query 1202 of FIG. 12.

FIG. 2

View of Data

MD_ID	PT_ID	VST	P_NM	AGE	SEX	MD_ID	DRG	STAY	COST	PT_YMT	MD_ID	VOL	AVG STAY	AVG COST	AVG PT_YMT
2222				54	M		123	7	1000	1200	2222	1	3	600	900
				25	F		123	2	1200	1500		2	8	900	950
12345	1	AREN		55	M	2222	127	3	600	500		1	2	1200	1500
				65	F		234	5	800	700					
MD_ID	PT_ID	VST	P_NM	AGE	SEX	MD_ID	DRG	STAY	COST	PT_YMT	MD_ID	VOL	AVG STAY	AVG COST	AVG PT_YMT
3333	12345	1	AREN	54	M	3333	123	7	1000	1200		1	3	600	900
				25	F		123	2	1200	1500	3333	2	8	900	950
				55	M		127	3	600	500		1	2	1200	1500
	97531	1	MARY	55	F	3333	234	5	800	700					
MD_ID	PT_ID	VST	P_NM	AGE	SEX	MD_ID	DRG	STAY	COST	PT_YMT	MD_ID	VOL	AVG STAY	AVG COST	AVG PT_YMT
4444	23456	1	ERIS	54	M		123	7	1000	1200		1	3	600	900
				25	F	4444	128	2	1200	1500		2	8	900	950
				55	M		127	3	600	500	4444	1	2	1200	1500
				68	F		234	5	800	700					

FIG. 11

An original SQL query “written using conventional SQL constructs” that includes “a SELECT statement, specifying one or more column references (sometimes referred to as attributes, fields, etc.), which constitute the result of the query.” Par. [0068], [0072].

```

SELECT  c.PT_ID,
        i.VST,
        p.P_NM,
        p.AGE, p.SEX,
        i.MD_ID,
        m.D_NM,
        i.DRG, i.STAY, ...
FROM INPT_FACT i, MD_FACT m, PT_FACT p
WHERE i.PT_ID=p.PT_ID AND i.MD_ID = m.MD_ID AND ...;

```

FIGS. 8 AND 9

FIG. 8 shows a data access policy. "A user information table 902 (USER_INFO) contains a user record (e.g., user record 912) for each user. Each record includes a user-id field 922 and a role field 924, in addition to other user-related information 926. The role field identifies the access level privileges for each user, per the access policy of FIG. 8." Par. [0047].

Access Level	Role	Access Policy
I	Executive	Access to all data.
II	Medical Doctor	Access to doctor's own patient visit data only. The patient privacy information of the other patient visit data should be blinded. The other medical doctor's privacy information should be also blinded.
III	Financial Analyst	Access to financial information without any medical doctor's information.

902 USER_INFO			
USER_ID	ROLE	...	
1111	I	...	
2222	II	...	
3333	II	...	
4444	II	...	
5555	III	...	

"If a role II user issues the query such as: SELECT * FROM PT_FACT; then, all PT_ID, and P_NM columns should be blinded (masked), because a role II user ... can only make his/her own patient list." Par. [0052].

FIG. 12

"As can be seen the translation process 1210 is simply a textual replacement in the original query of the masked column references by their corresponding function calls." Par. [0073]. "Continuing with FIG. 12, the translation process 1210 converts an original query 1102 [FIG. 11] into a translated query 1202. The translated query is then transmitted to the DBMS 702, where the query is executed."

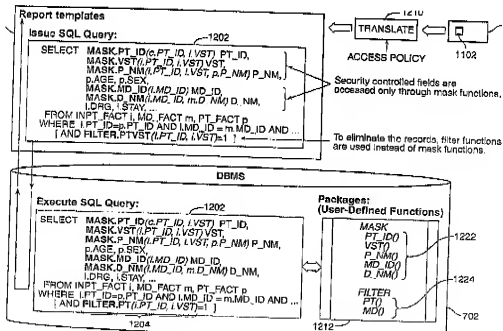


FIG. 13

A SQL query effectuating “changes to the access policy,” reflecting change “to add AGE column as a mask column.” Par. [0039], [0078].

```

SELECT MASK.PT_ID(g.PT_ID, i.VST) PT_ID,
       MASK.VST(i.PT_ID, i.VST) VST,
       MASK.P_NM(i.PT_ID, i.VST, p.P_NM) P_NM,
       {MASK.AGE(i.PT_ID, i.VST, p.AGE) AGE, }
       p.SEX,
       MASK.MD_ID(i.MD_ID) MD_ID,
       MASK.D_NM(i.MD_ID, m.D_NM) D_NM,
       i.DRG, i.STAY, ...
FROM INPT_FACT i, MD_FACT m, PT_FACT p
WHERE i.PT_ID=p.PT_ID AND i.MD_ID=m.MD_ID AND ...;

```

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

By (Unofficial and Not for Entry—Unsigned) _____

2055 Gateway Place, Suite 550
 San Jose, California 95110-1083
 Telephone No.: (408) 414-1210
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CLAIM 1

1. (Previously Presented) A machine-implemented method for executing a database statement, the method comprising the steps of:
a database server receiving a request to execute the database statement, wherein the request specifies the database statement and a tag that does not conform to a database language of said database statement;
wherein said tag specifies at least one parameter field and at least one parameter value;
in response to receiving the request, said database server storing the tag;
said database server executing said database statement, wherein during execution of said database statement said database server provides access to one or more of the at least one parameter value through a tag access mechanism provided by said database server.

Applicant Initiated Interview Request Form

Application No.: 10/786,941 First Named Applicant: Daniel ManHung Wong
Examiner: Michael Pham Art Unit: 2167 Status of Application: Pending

Tentative Participants:

(1) Michael Pham (2) Eric L. Sutton
(3) Marcel K. Bingham (4) _____

Proposed Date of Interview: October 15, 2009 Proposed Time: 1 PM Eastern (AM/PM)

Type of Interview Requested:

(1) ☒ [X] Telephonic (2) ☐ [] Personal (3) ☐ [] Video Conference

Exhibit To Be Shown or Demonstrated: ☐ [] YES ☒ [X] NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc.)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Rej</u>	<u>1</u>	_____	<input type="checkbox"/> []	<input type="checkbox"/> []	<input type="checkbox"/> []
(2) _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/> []	<input type="checkbox"/> []
(3) _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/> []	<input type="checkbox"/> []
(4) _____	_____	_____	<input type="checkbox"/> []	<input type="checkbox"/> []	<input type="checkbox"/> []
<input type="checkbox"/> [] Continuation Sheet Attached					

Brief Description of Arguments to be Presented:

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview

(see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

/Eric L. Sutton #61173/
Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Eric L. Sutton
Typed/Printed Name of Applicant or Representative

61,173
Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 425 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DD NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.